



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 16015

**CUSTOMER INFORMATION**

Washington State Patrol – Breath Test Program  
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

**TESTING ITEM INFORMATION**

TARGET VAPOR CONCENTRATION: 0.15 g/210L  
DATE PREPARED: 04/25/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Justin L. Knoy

	JLK	AG	LK
1	0.186	0.186	0.185
2	0.186	0.185	0.185
3	0.187	0.186	0.185
4	0.186	0.185	0.184
5	0.186	0.187	0.185
C	0.100	0.101	0.101

**ETHANOL CONTROL INFORMATION**

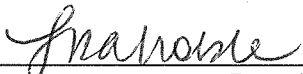
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

**RESULTS OF TESTING**

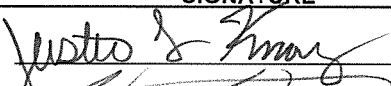
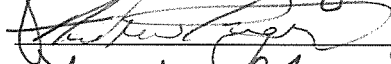
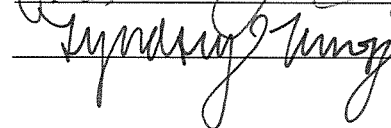
AVERAGE SOLUTION CONCENTRATION: 0.1856 g/100mL PRECISION CV (%): 0.45  
STANDARD DEVIATION: 0.00083 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1509 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

  
\_\_\_\_\_  
Lisa Noble Forensic Scientist Supervisor

5/26/16  
\_\_\_\_\_  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		04/25/2016
AG	Andrew Gingras		04/28/2016
LK	Lyndsey Knoy		05/02/2016

Washington State Patrol - Toxicology Laboratory Division  
QAP Test Report Calculation Record

QAP Solution Batch #: 16015

Date Prepared: 4/25/2016

Analyst:	JK	AG	LK
Date Tested:	4/25/2016	4/28/2016	5/2/2016
Instrument:	HSGC #1	HSGC #3	HSGC #1
1	0.186	0.186	0.185
2	0.186	0.185	0.185
3	0.187	0.186	0.185
4	0.186	0.185	0.184
5	0.186	0.187	0.185
C	0.100	0.101	0.101

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000013271	0.0000109644	0.0001016326

Ethanol Control Lot #: FN08051301  
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1856 g/100mL  
Standard Deviation: 0.00083 g/100mL  
Precision CV (%): 0.45  
Equivalent Vapor Concentration: 0.1509 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0017 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0034 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble Tranoble 5/5/16  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 5-23-2016 Method: Hand calculation  
Name Signature Date

Tech. review performed by: Lisa Noble Tranoble 5/5/16  
Name Signature Date

[Signature]

## SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black

Date: 5-23-2014

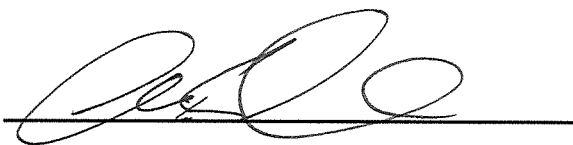
Location: WSP-FLSB Seattle, WA

Solution Batch Number: 16015

	YES	NO	N/A
Analysis dates do not precede preparation date:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Declarations signed and properly dated:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data entry corresponds to all chromatograms:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All signatures present on Test Report:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average solution concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Standard deviation correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CV (%) correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equivalent vapor concentration correct:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All chromatograms and sequences included in file:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethanol control information present: (lot # present & used within expiration)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complies with accuracy and precision requirements established by the State Toxicologist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

Reviewer Signature: \_\_\_\_\_



Date: 5-23-2014



## SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the Test Report
- 3) Signed the Test Report

	Initials	Date
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	5/6/16
<b>Asa Louis</b>		
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>		
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Knoy</b>	<i>JK</i>	5.6.16
<b>Katie Harris</b>		
<b>Lyndsey Lowe</b> ( <i>(Knoy)</i> )	<i>JK</i>	(5.6.16)
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 16015 Jns/5/16

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16015**

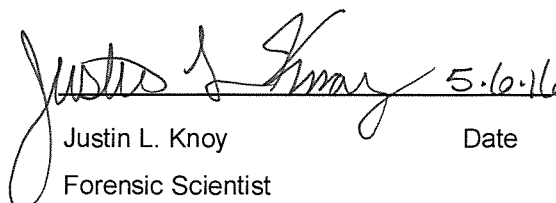
I, Justin L. Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16015, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/25/2017.

Seattle, WA

 Justin L. Knoy 5.6.16  
Justin L. Knoy Date  
Forensic Scientist

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16015**

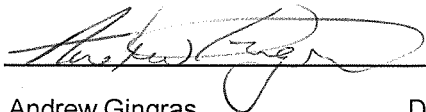
I, Andrew Gingras, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 16015, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/25/2017.

Seattle, WA

 5/6/2016

Andrew Gingras  
Forensic Scientist

Date

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16015**

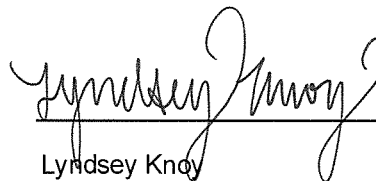
I, Lyndsey Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16015, was prepared in the Washington State Toxicology Laboratory on 4/25/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/25/2017.

Seattle, WA

 5.6.16

Lyndsey Knoy  
Forensic Scientist

Date



FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 4-25-16 Expiration Date: 4-25-17 Initials of Preparer: JK

Lot # of 200-proof Ethanol used in preparation: 2EA0437

Date the 200-proof Ethanol bottle was opened: 4-7-16

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>16013</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16014</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u>          </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16015</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16016</u>
ESS	66.5	52	<input type="checkbox"/>	<u>          </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed

4-25-16  
Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Justin S. King  
Analyst Signature

4-25-16  
Date

*JK*



Sequence Parameters:

Operator: Justin Knoy  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 160425JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016  
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018  
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019  
 Internal Standard Lot#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16013.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16013-1	SIMALC1	1	Sample		
11	Vial 11	16013-2	SIMALC1	1	Sample		
12	Vial 12	16013-3	SIMALC1	1	Sample		
13	Vial 13	16013-4	SIMALC1	1	Sample		
14	Vial 14	16013-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16014-1	SIMALC1	1	Sample		
18	Vial 18	16014-2	SIMALC1	1	Sample		
19	Vial 19	16014-3	SIMALC1	1	Sample		
20	Vial 20	16014-4	SIMALC1	1	Sample		
21	Vial 21	16014-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16015-1	SIMALC1	1	Sample		
25	Vial 25	16015-2	SIMALC1	1	Sample		
26	Vial 26	16015-3	SIMALC1	1	Sample		

16015  
*Justin Knoy*

*JK*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	16015-4	SIMALC1	1	Sample		
28	Vial 28	16015-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16016-1	SIMALC1	1	Sample		
32	Vial 32	16016-2	SIMALC1	1	Sample		
33	Vial 33	16016-3	SIMALC1	1	Sample		
34	Vial 34	16016-4	SIMALC1	1	Sample		
35	Vial 35	16016-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16015

*Justin*

*JR*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:10:47 PM

Sample Name: 16015-1

Instrument: HSGC#1

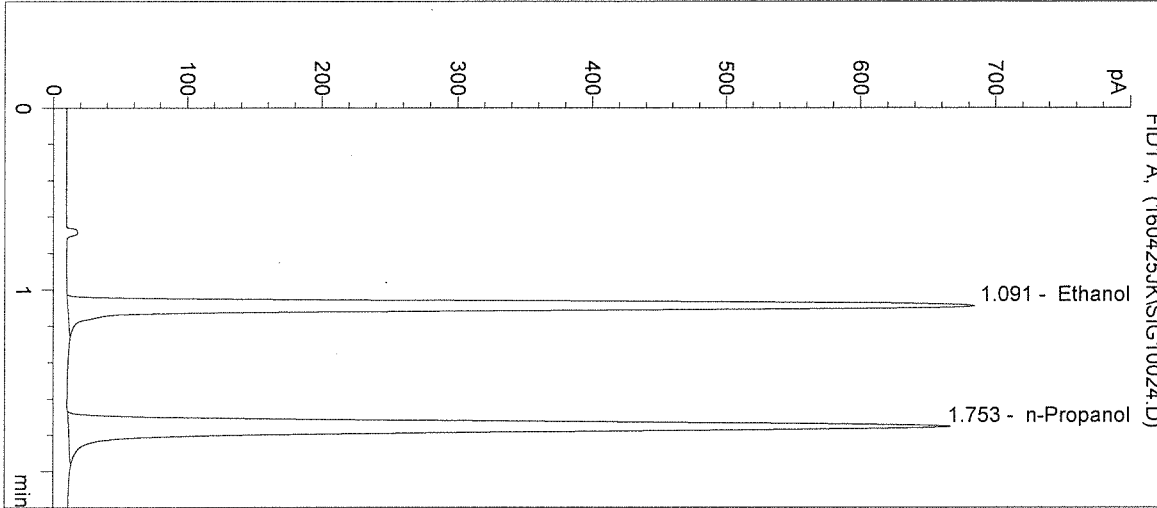
Operator: Justin Knoy

Column: DB-ALC1

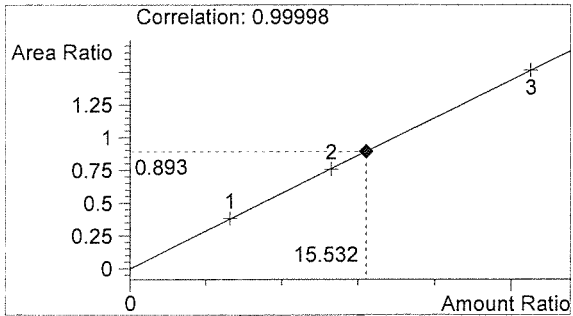
Location: Vial 24

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

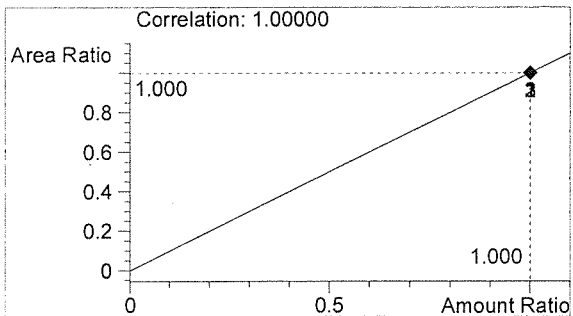
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2301	1.091
2	n-Propanol	2575	1.753



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:14:00 PM

Sample Name: 16015-2

Instrument: HSGC#1

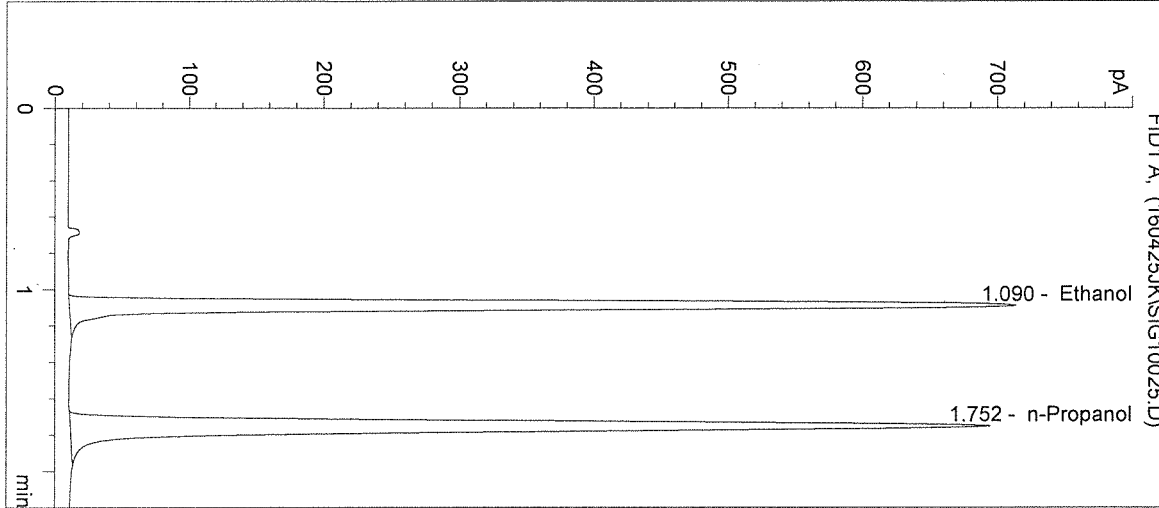
Operator: Justin Knoy

Column: DB-ALC1

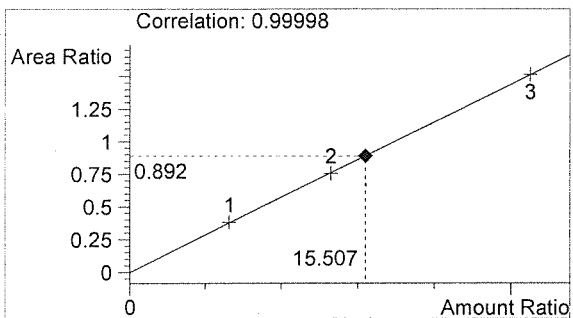
Location: Vial 25

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

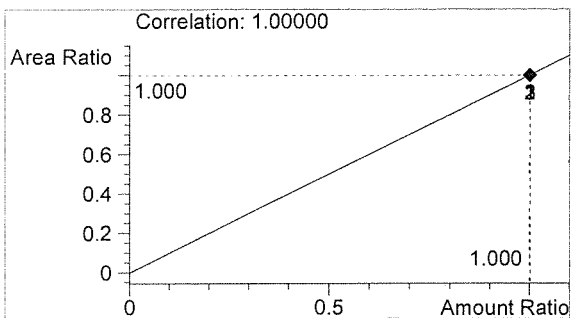
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2391	1.090
2	n-Propanol	2681	1.752



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:17:13 PM

Sample Name: 16015-3

Instrument: HSGC#1

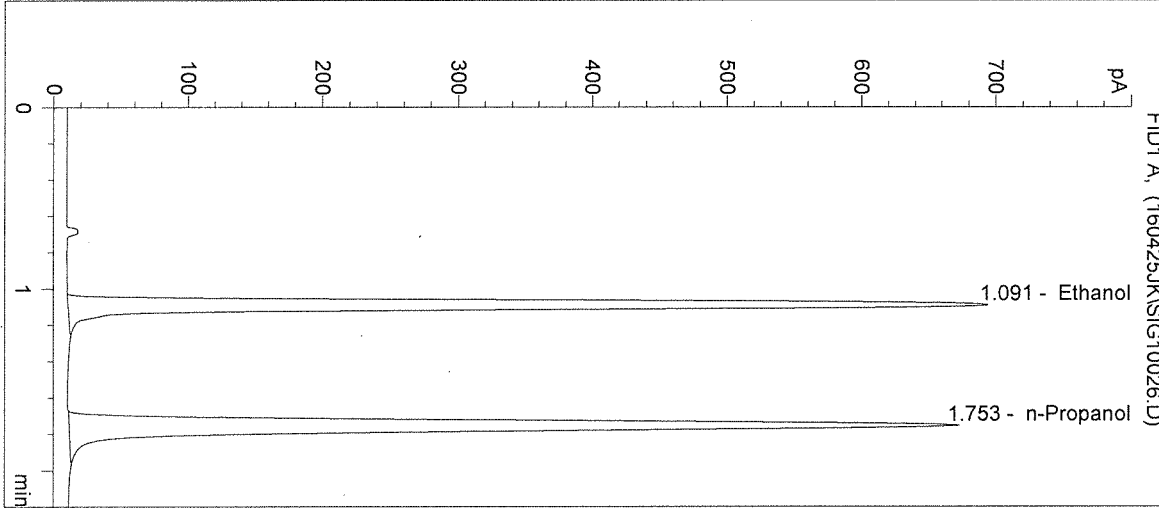
Operator: Justin Knoy

Column: DB-ALC1

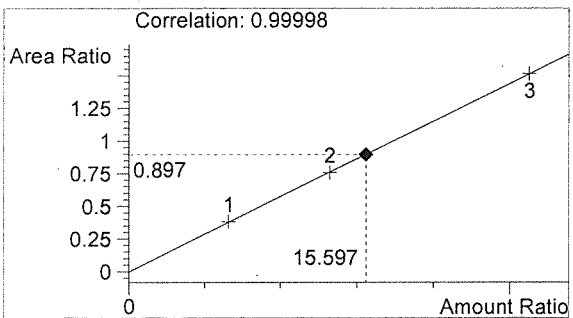
Location: Vial 26

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

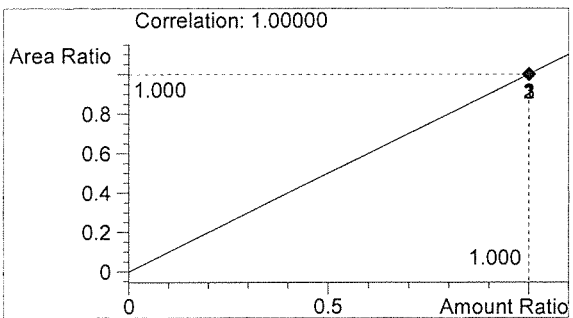
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2333	1.091
2	n-Propanol	2601	1.753



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

*hr*

*JR*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:20:26 PM

Sample Name: 16015-4

Instrument: HSGC#1

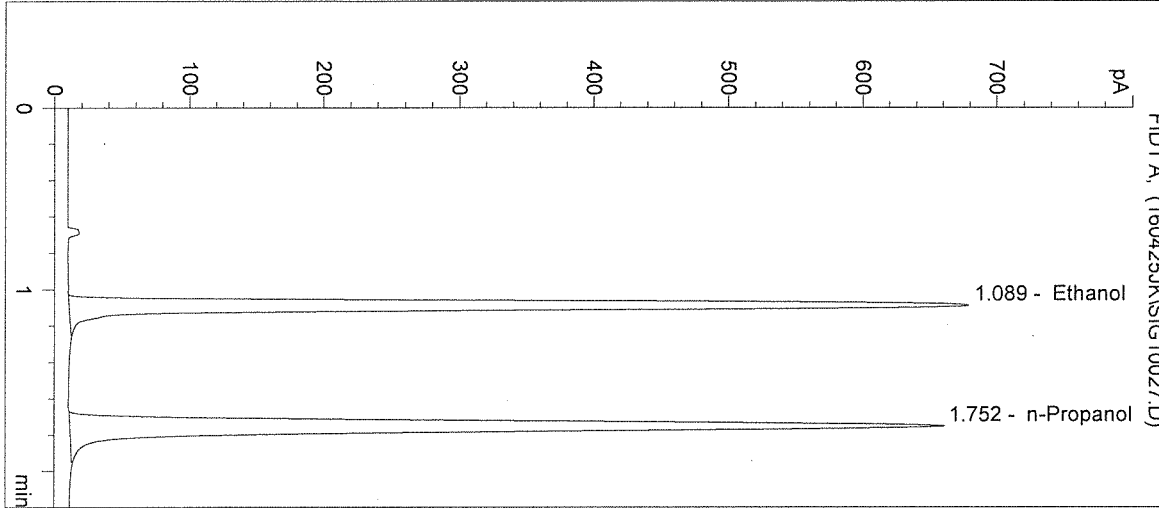
Operator: Justin Knoy

Column: DB-ALC1

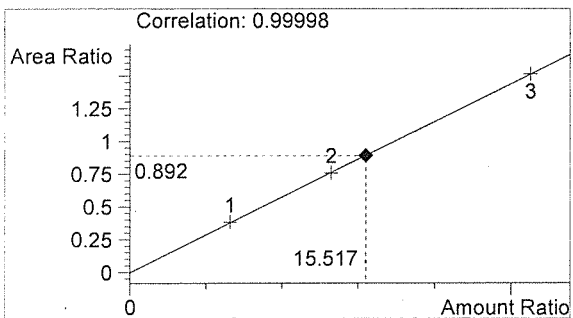
Location: Vial 27

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

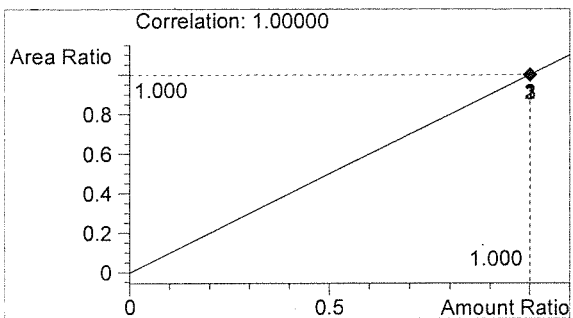
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2278	1.089
2	n-Propanol	2553	1.752



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten mark*

*Handwritten mark*

Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:23:40 PM

Sample Name: 16015-5

Instrument: HSGC#1

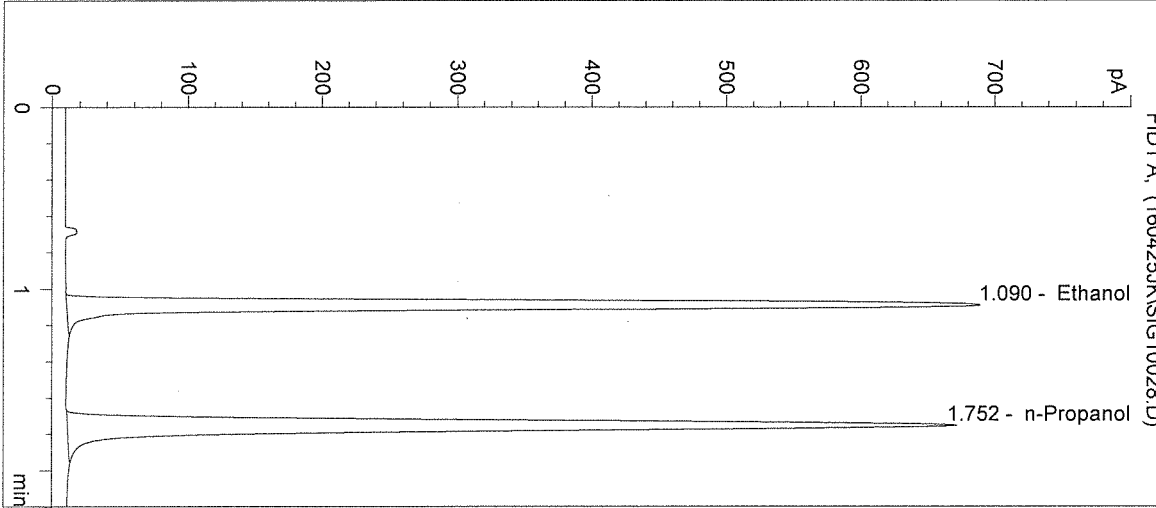
Operator: Justin Knoy

Column: DB-ALC1

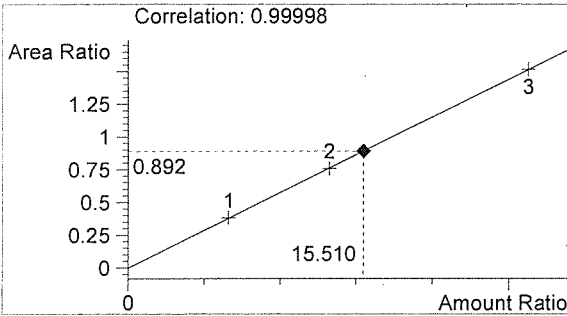
Location: Vial 28

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

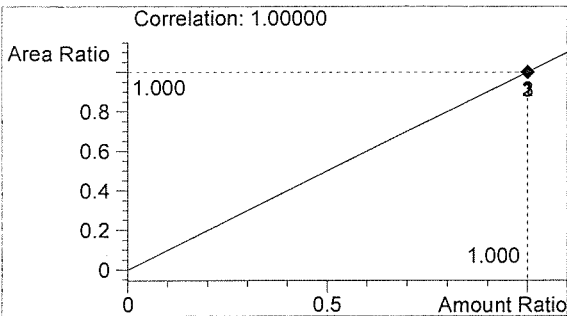
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2315	1.090
2	n-Propanol	2595	1.752



Ethanol 0.186 g/100mL



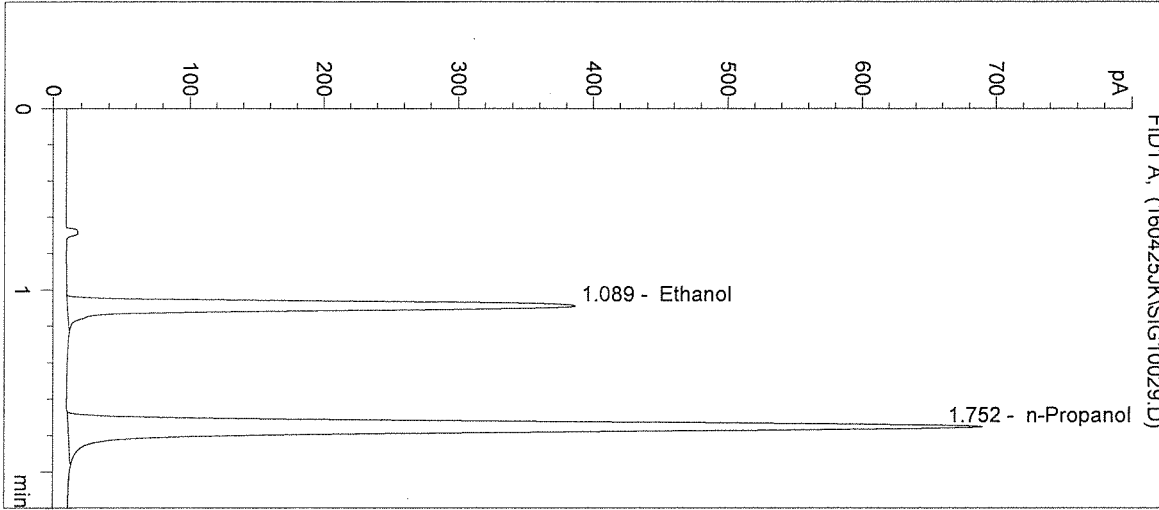
n-Propanol 0.012 g/100mL

*JK*

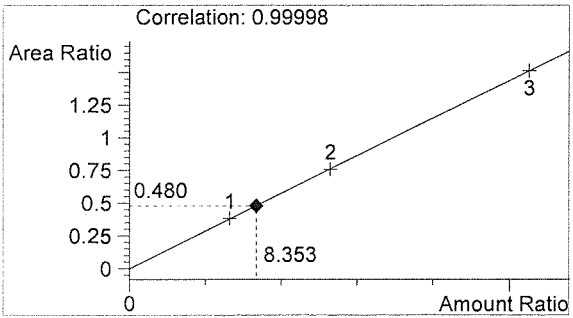
*JK*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

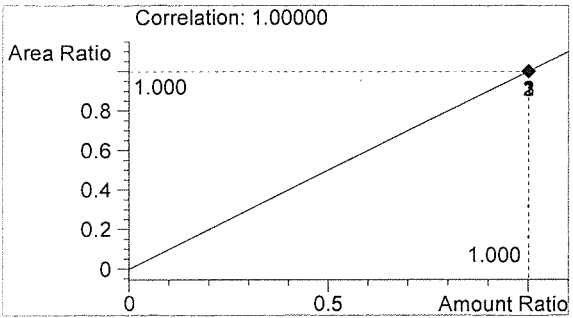
Inj. Date: 4/25/2016 1:26:53 PM      Sample Name: 0.10 CTRL  
Instrument: HSGC#1      Operator: Justin Knoy  
Column: DB-ALC1      Location: Vial 29  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16015



#	Compound	Peak Area	RT (min)
1	Ethanol	1280	1.089
2	n-Propanol	2668	1.752



Ethanol      0.100 g/100mL



n-Propanol      0.012 g/100mL

*JK*

*JK*



Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/25/2016 1:30:06 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

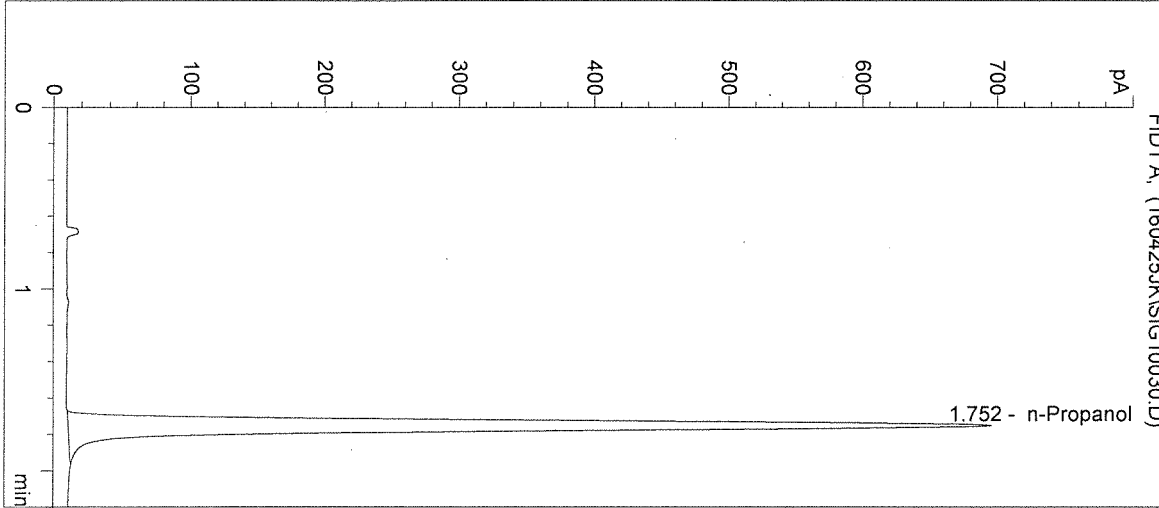
Operator: Justin Knoy

Column: DB-ALC1

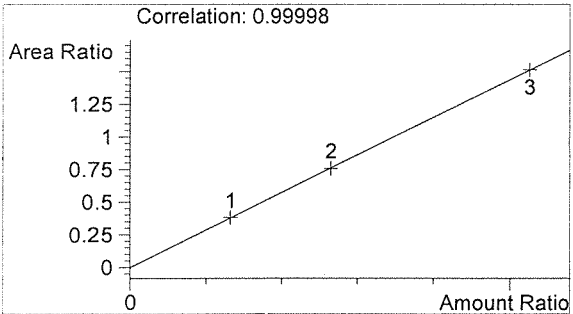
Location: Vial 30

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

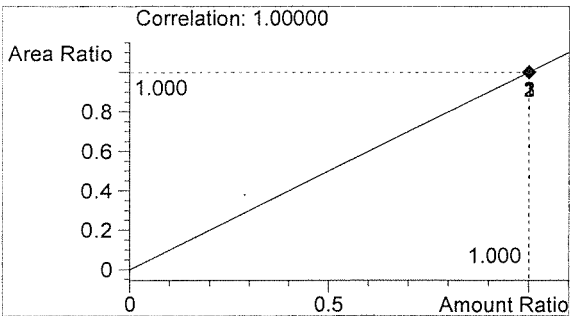
Sample Info: 16015



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2686	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*JK*

*JK*

Sequence Parameters:

Operator: Andrew Gingras  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\2\DATA\  
 Data Subdirectory: 160428AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/1/2016  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/1/2016  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/1/2016  
 CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018  
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018  
 CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019  
 Internal Standard Lot#P0316 - Exp. 6/29/2016

Calibration, vials 1-9, filed with 16013

~~Calibration vials 1-9 filed with 14057~~

*AG*  
 4/28/16

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC3	1	Sample		
11	Vial 11	16013 #2	SIMALC3	1	Sample		
12	Vial 12	16013 #3	SIMALC3	1	Sample		
13	Vial 13	16013 #4	SIMALC3	1	Sample		
14	Vial 14	16013 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC3	1	Sample		
18	Vial 18	16014 #2	SIMALC3	1	Sample		
19	Vial 19	16014 #3	SIMALC3	1	Sample		
20	Vial 20	16014 #4	SIMALC3	1	Sample		
21	Vial 21	16014 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC3	1	Sample		

16015

*In 15/11/16*

*AG*

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC3	1	Sample		
26	Vial 26	16015 #3	SIMALC3	1	Sample		
27	Vial 27	16015 #4	SIMALC3	1	Sample		
28	Vial 28	16015 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC3	1	Sample		
32	Vial 32	16016 #2	SIMALC3	1	Sample		
33	Vial 33	16016 #3	SIMALC3	1	Sample		
34	Vial 34	16016 #4	SIMALC3	1	Sample		
35	Vial 35	16016 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16015  
Lu 5/5/16

Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:21:20 AM

Sample Name: 16015 #1

Instrument: HSGC#3

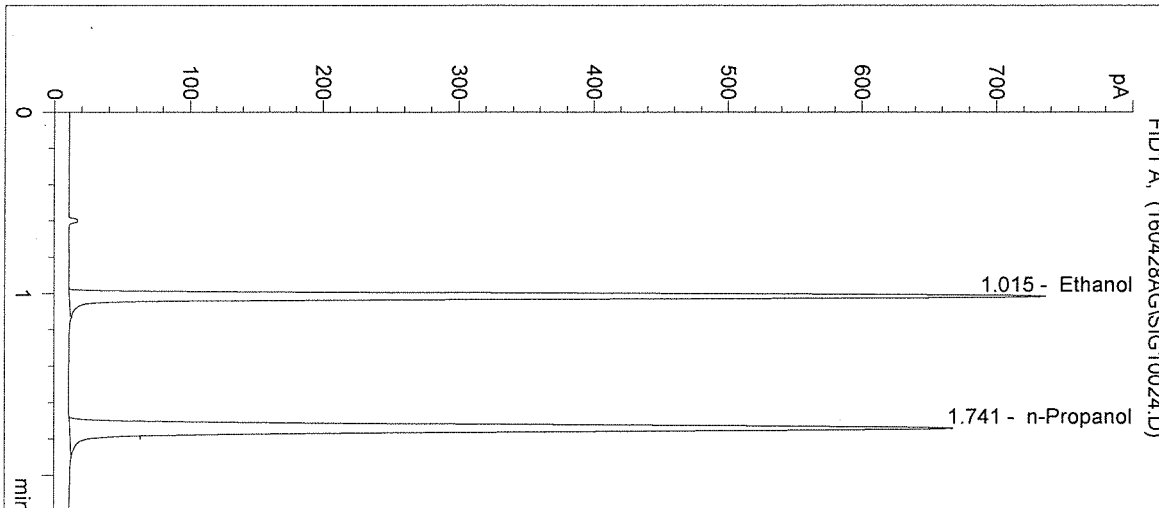
Operator: Andrew Gingras

Column: DB-ALC2

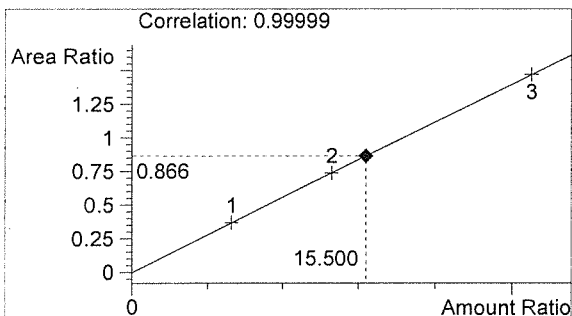
Location: Vial 24

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

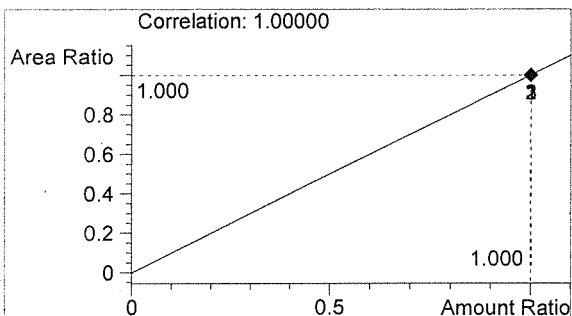
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1558	1.015
2	n-Propanol	1798	1.741



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten signature*

Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:24:33 AM

Sample Name: 16015 #2

Instrument: HSGC#3

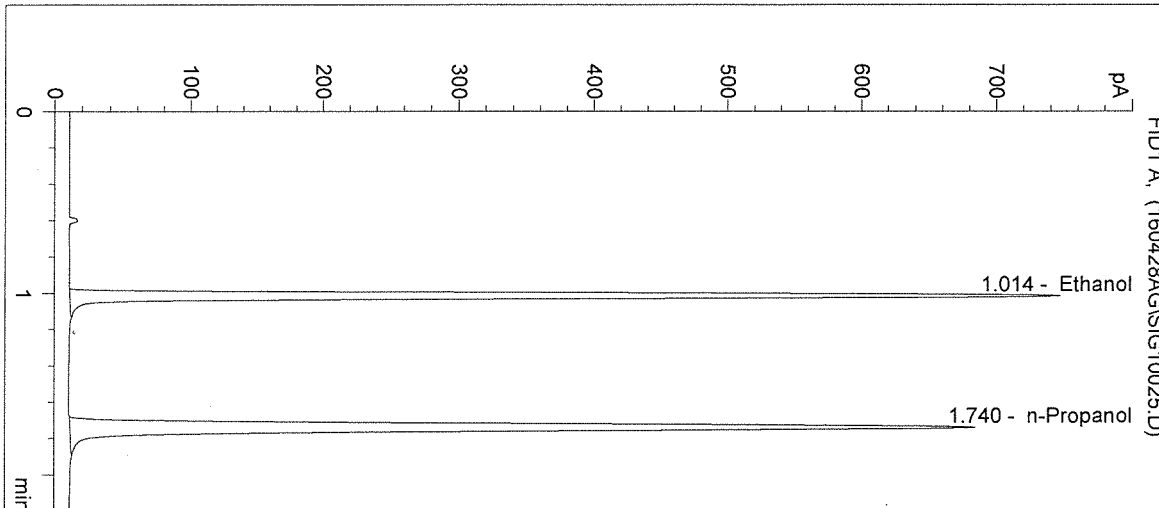
Operator: Andrew Gingras

Column: DB-ALC2

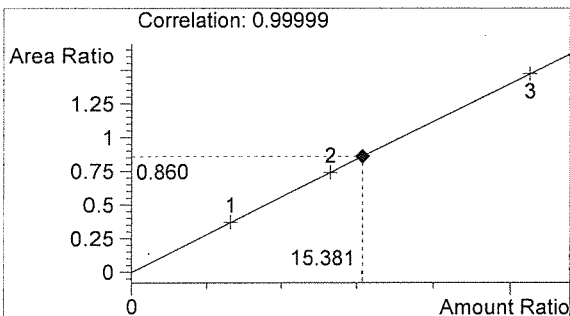
Location: Vial 25

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

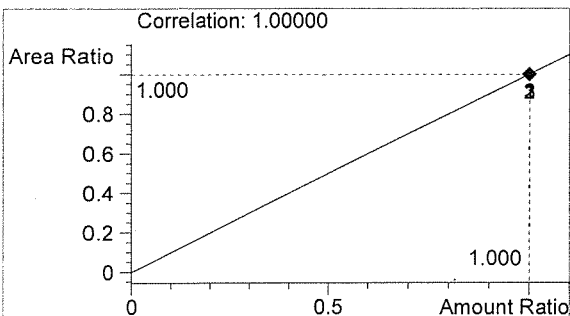
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1583	1.014
2	n-Propanol	1842	1.740



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:27:47 AM

Sample Name: 16015 #3

Instrument: HSGC#3

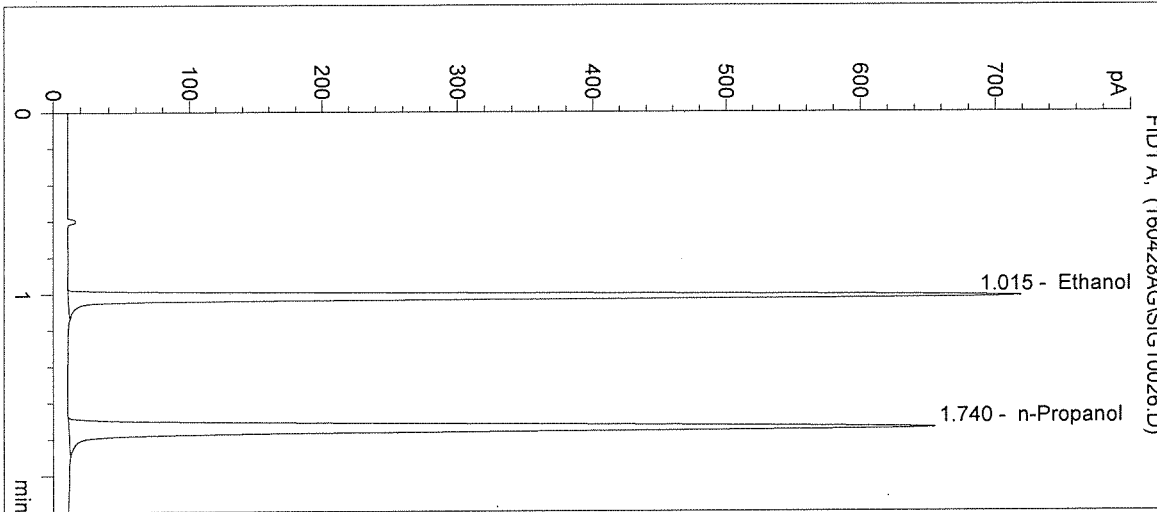
Operator: Andrew Gingras

Column: DB-ALC2

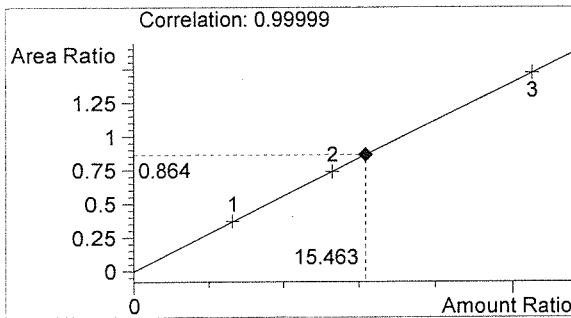
Location: Vial 26

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

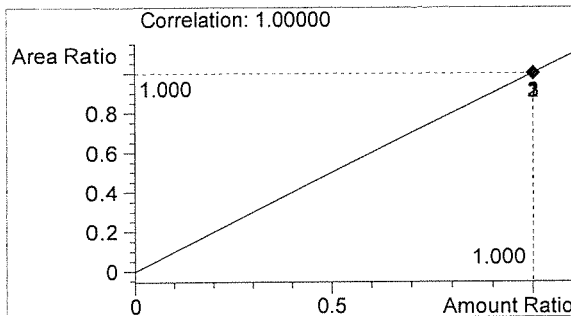
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1521	1.015
2	n-Propanol	1759	1.740



Ethanol 0.186 g/100mL



n-Propanol 0.012 g/100mL

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*Handwritten signature*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:31:00 AM

Sample Name: 16015 #4

Instrument: HSGC#3

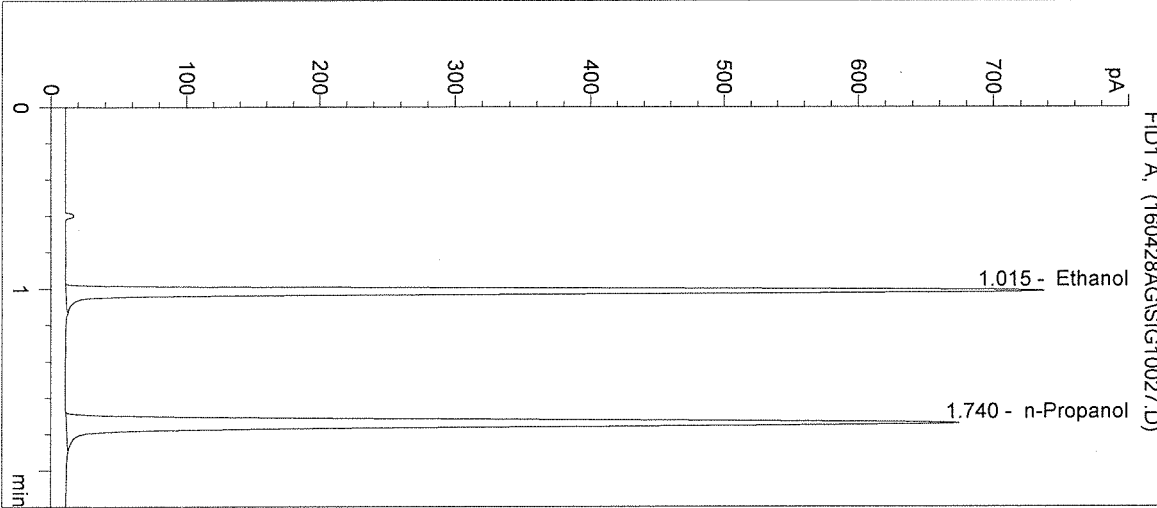
Operator: Andrew Gingras

Column: DB-ALC2

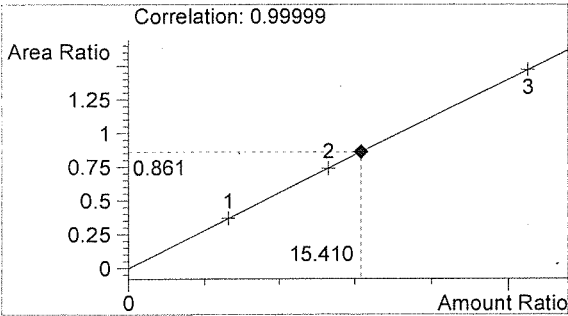
Location: Vial 27

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

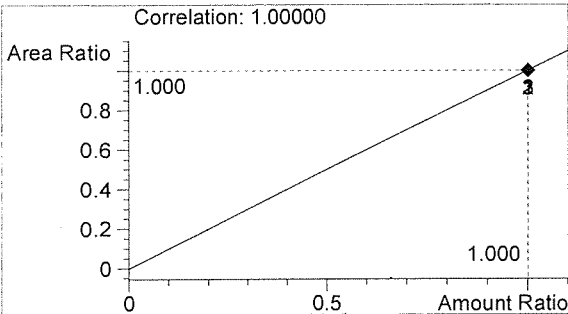
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1561	1.015
2	n-Propanol	1813	1.740



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/28/2016 9:34:13 AM

Sample Name: 16015 #5

Instrument: HSGC#3

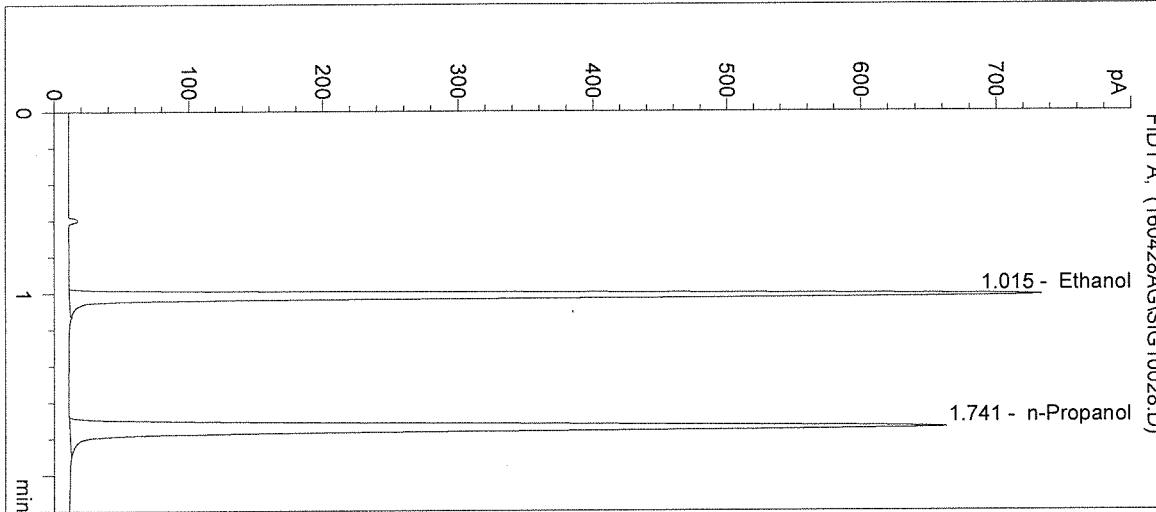
Operator: Andrew Gingras

Column: DB-ALC2

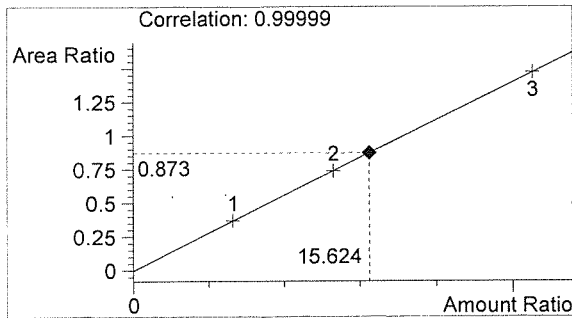
Location: Vial 28

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

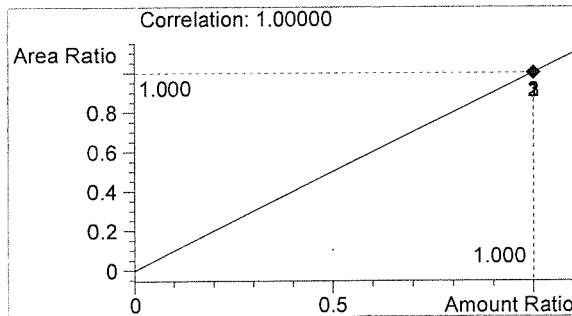
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1558	1.015
2	n-Propanol	1784	1.741



Ethanol 0.187 g/100mL



n-Propanol 0.012 g/100mL

*AG*

*AG*



Inj. Date: 4/28/2016 9:37:27 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#3

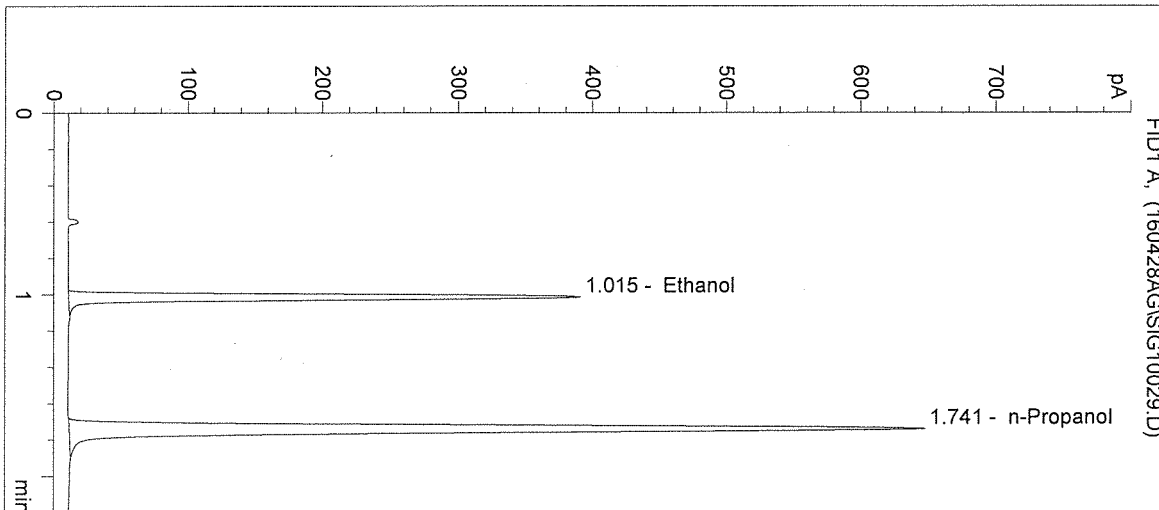
Operator: Andrew Gingras

Column: DB-ALC2

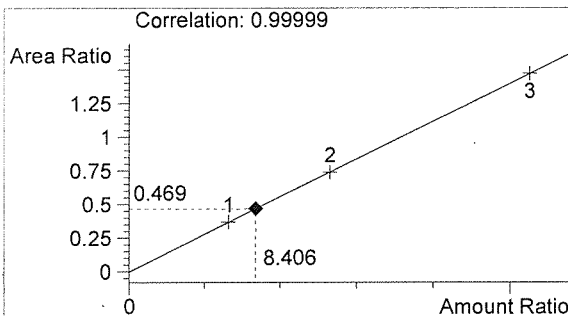
Location: Vial 29

Method: C:\HPCHEM\2\METHODS\SIMALC3.M

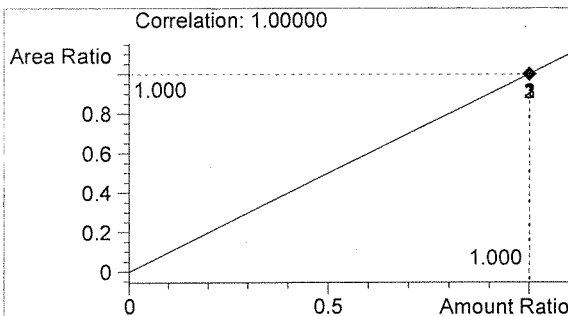
Sample Info: 16015



#	Compound	Peak Area	RT (min)
1	Ethanol	819	1.015
2	n-Propanol	1745	1.741



Ethanol 0.101 g/100mL

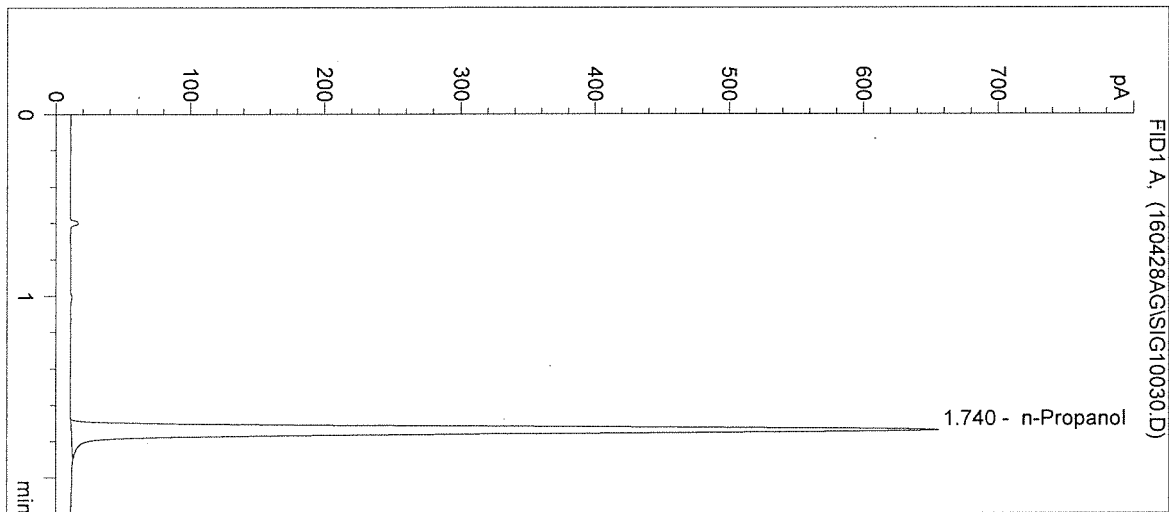


n-Propanol 0.012 g/100mL

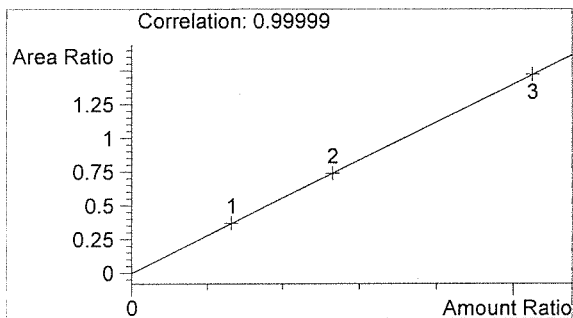
*Handwritten signature*

*Handwritten signature*

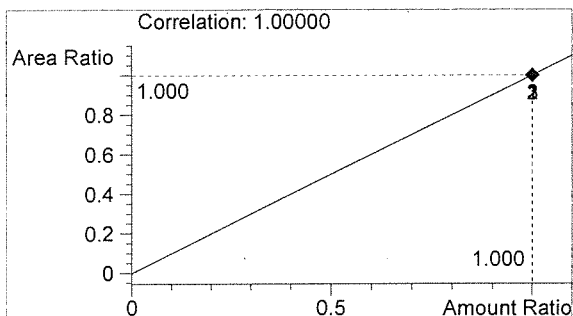
Inj. Date: 4/28/2016 9:40:40 AM      Sample Name: NEG CTRL  
 Instrument: HSGC#3      Operator: Andrew Gingras  
 Column: DB-ALC2      Location: Vial 30  
 Method: C:\HPCHEM\2\METHODS\SIMALC3.M  
 Sample Info: 16015



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1768	1.740



Ethanol      0.000 g/100mL



n-Propanol      0.012 g/100mL

*fr*

*AB*

Sequence Parameters:

Operator: Lyndsey Knoy  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 160502LK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0416-01 - Exp. 10/01/16  
 Ethanol Calibrator 2, E0416-02 - Exp. 10/01/16  
 Ethanol Calibrator 3, E0416-03 - Exp. 10/01/16

0.04 Control - Lot #FN05011301 - Exp. 05/2018  
 0.10 Control - Lot #FN08051301 - Exp. 10/2018  
 0.20 Control - Lot #FN03211401 - Exp. 06/2019

ISTD Lot#P0316 - Exp. 06/29/2016

Calibration 1-9 filed with 16013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	16013 #1	SIMALC1	1	Sample		
11	Vial 11	16013 #2	SIMALC1	1	Sample		
12	Vial 12	16013 #3	SIMALC1	1	Sample		
13	Vial 13	16013 #4	SIMALC1	1	Sample		
14	Vial 14	16013 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16014 #1	SIMALC1	1	Sample		
18	Vial 18	16014 #2	SIMALC1	1	Sample		
19	Vial 19	16014 #3	SIMALC1	1	Sample		
20	Vial 20	16014 #4	SIMALC1	1	Sample		
21	Vial 21	16014 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	16015 #1	SIMALC1	1	Sample		

16015

*fn 5/5/16*

*W*

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	16015 #2	SIMALC1	1	Sample		
26	Vial 26	16015 #3	SIMALC1	1	Sample		
27	Vial 27	16015 #4	SIMALC1	1	Sample		
28	Vial 28	16015 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	16016 #1	SIMALC1	1	Sample		
32	Vial 32	16016 #2	SIMALC1	1	Sample		
33	Vial 33	16016 #3	SIMALC1	1	Sample		
34	Vial 34	16016 #4	SIMALC1	1	Sample		
35	Vial 35	16016 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

16015

*In 5/16*

*JK*

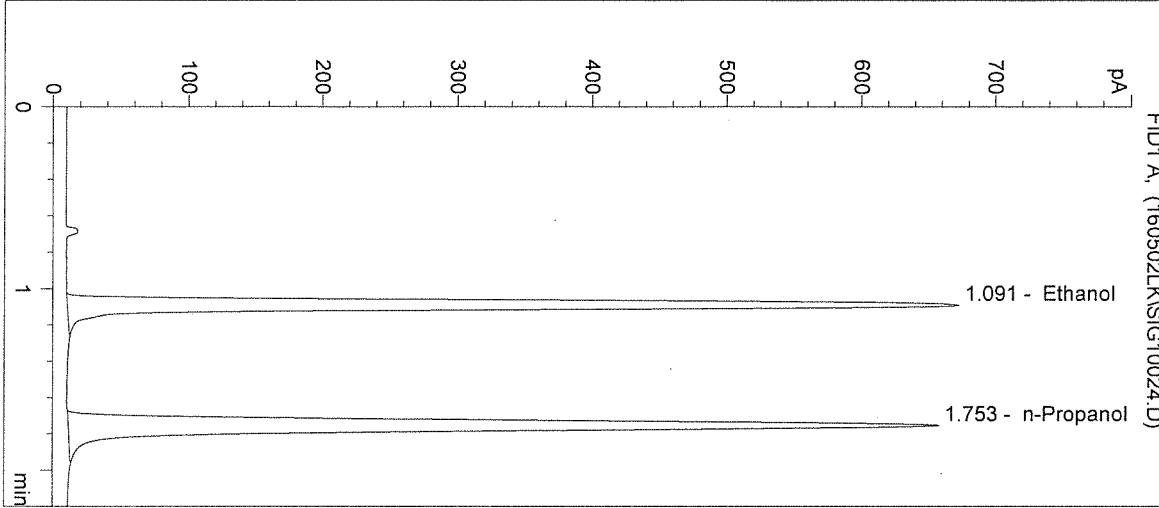
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:32:17 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1

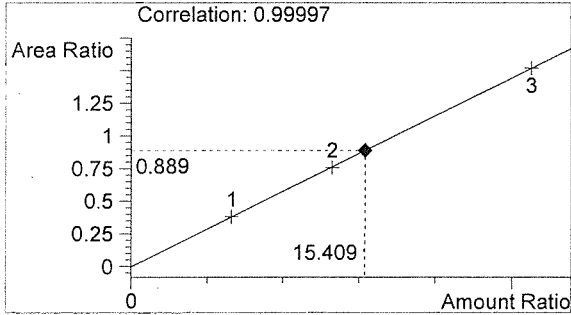
Sample Name: 16015 #1  
 Operator: Lyndsey Knoy  
 Location: Vial 24

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

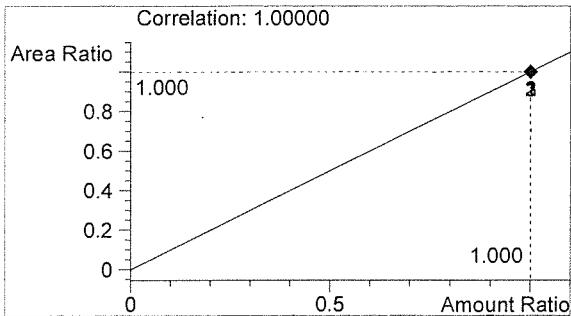


#	Compound	Peak Area	RT (min)
1	Ethanol	2258	1.091
2	n-Propanol	2540	1.753



Ethanol 0.185 g/100mL

*Handwritten signature*



n-Propanol 0.012 g/100mL

*Handwritten signature*

Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:35:31 PM

Sample Name: 16015 #2

Instrument: HSGC#1

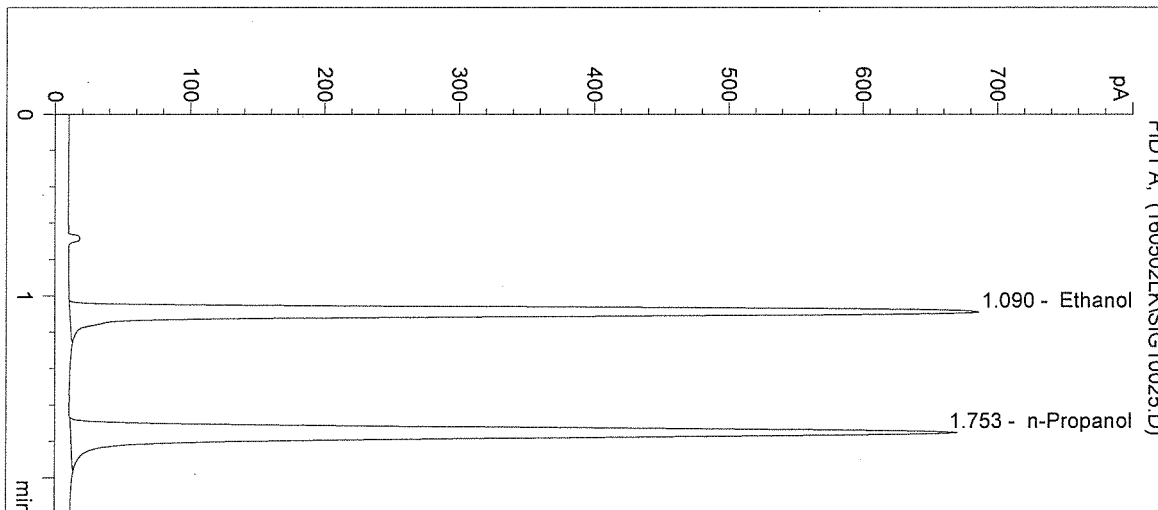
Operator: Lyndsey Knoy

Column: DB-ALC1

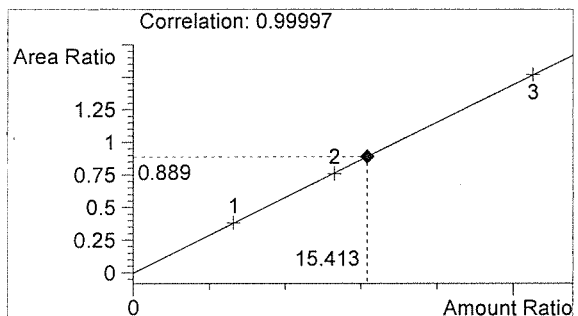
Location: Vial 25

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

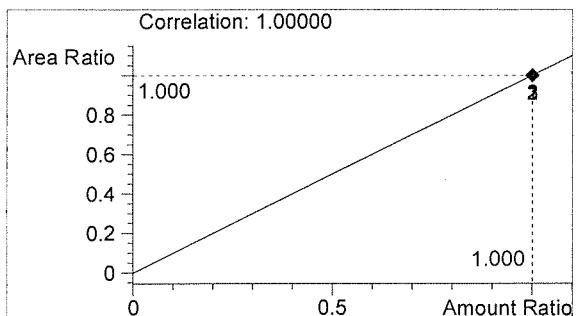
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2301	1.090
2	n-Propanol	2589	1.753



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:38:44 PM

Sample Name: 16015 #3

Instrument: HSGC#1

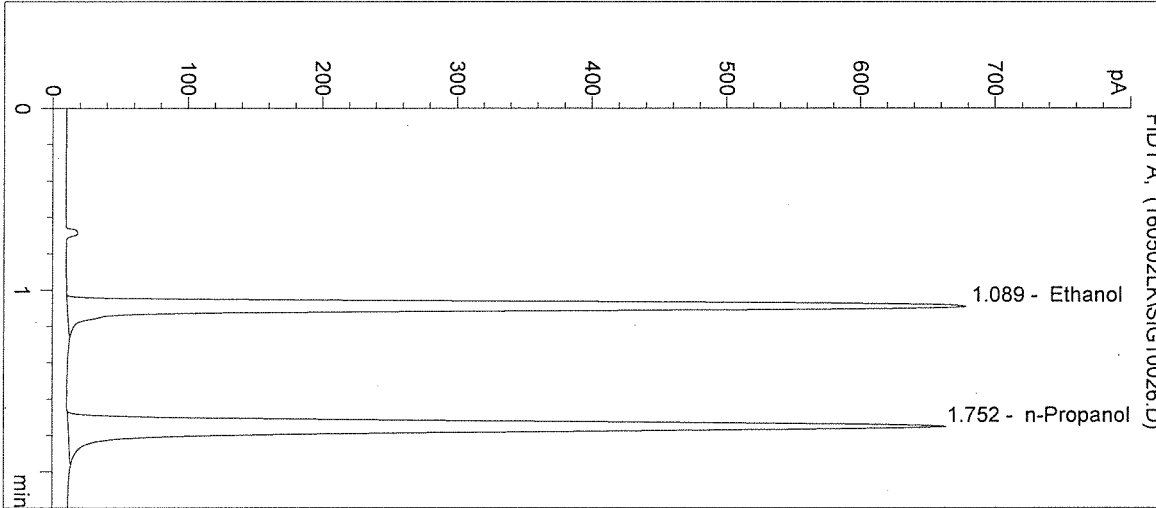
Operator: Lyndsey Knoy

Column: DB-ALC1

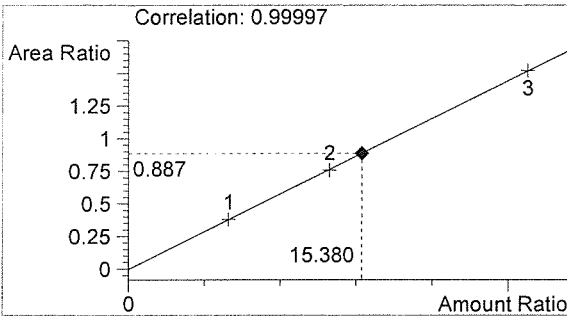
Location: Vial 26

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

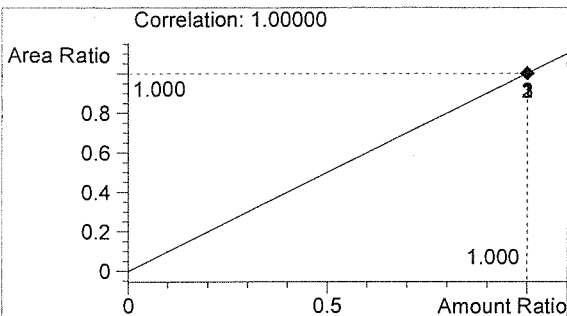
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2267	1.089
2	n-Propanol	2556	1.752



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

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Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:41:57 PM

Sample Name: 16015 #4

Instrument: HSGC#1

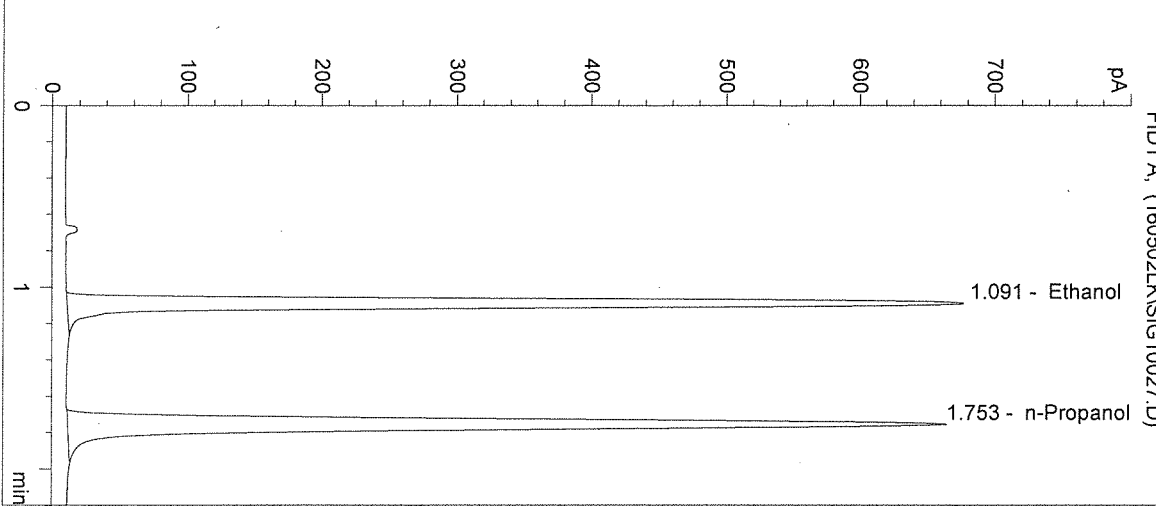
Operator: Lyndsey Knoy

Column: DB-ALC1

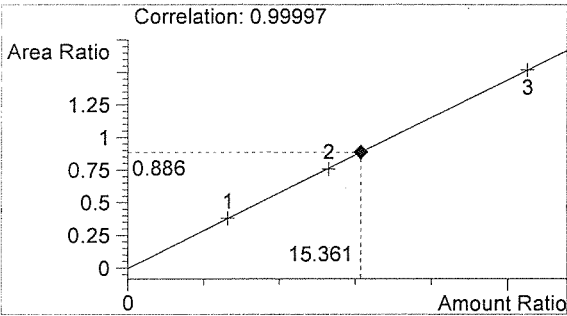
Location: Vial 27

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

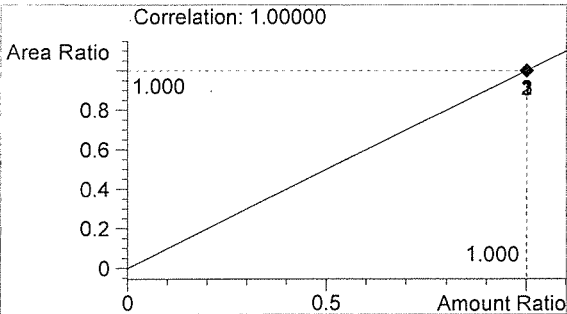
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2278	1.091
2	n-Propanol	2571	1.753



Ethanol 0.184 g/100mL



n-Propanol 0.012 g/100mL

*h*

*h*



Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:45:10 PM

Sample Name: 16015 #5

Instrument: HSGC#1

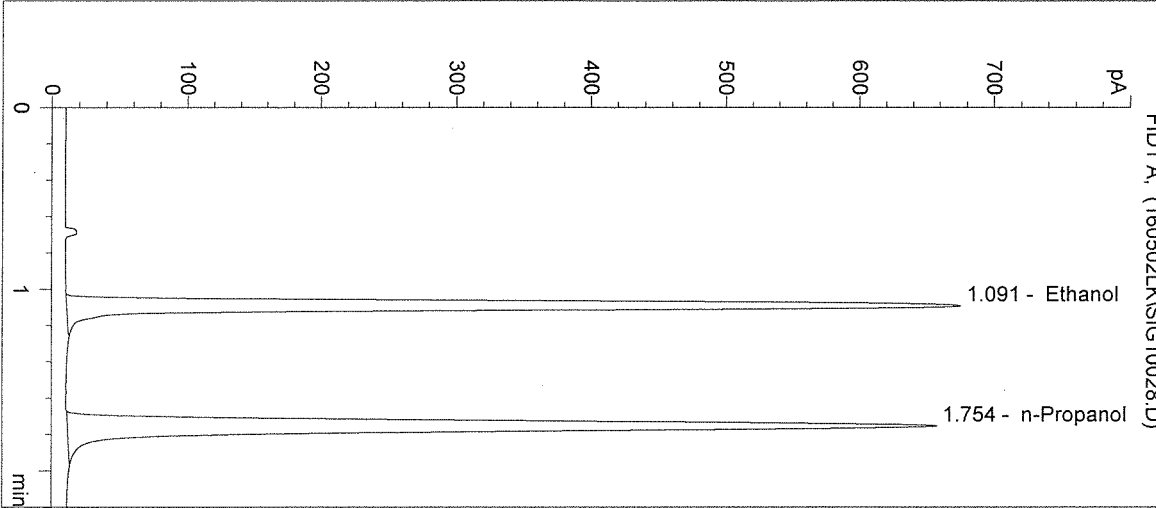
Operator: Lyndsey Knoy

Column: DB-ALC1

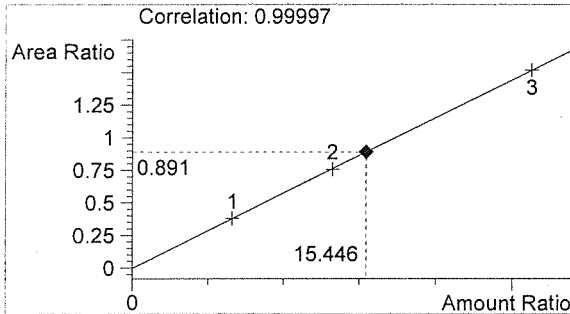
Location: Vial 28

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

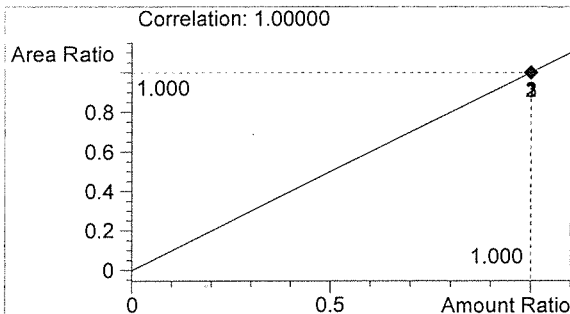
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2269	1.091
2	n-Propanol	2547	1.754



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

*fn*

*ju*

Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:48:24 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

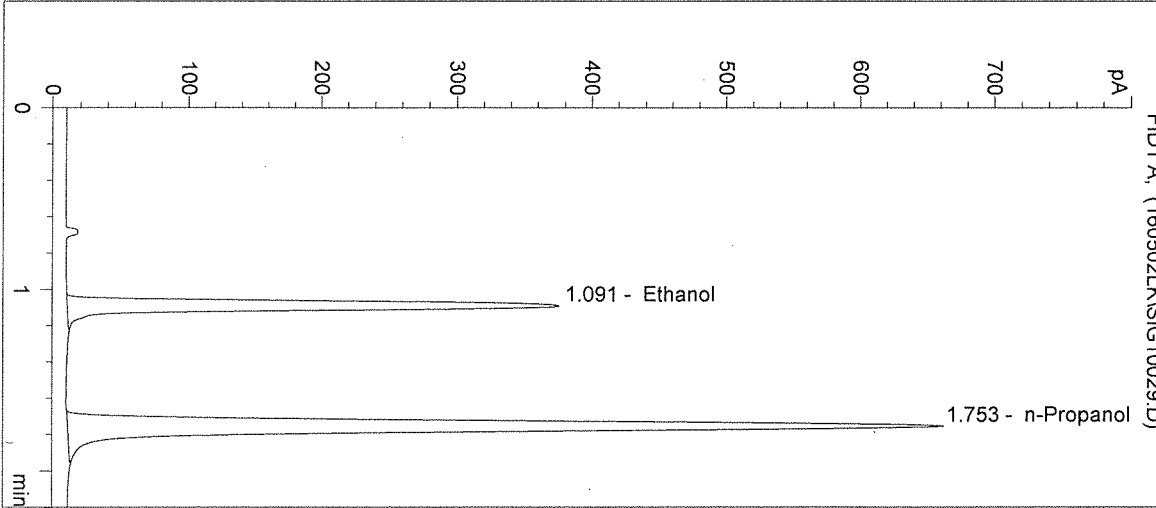
Operator: Lyndsey Knoy

Column: DB-ALC1

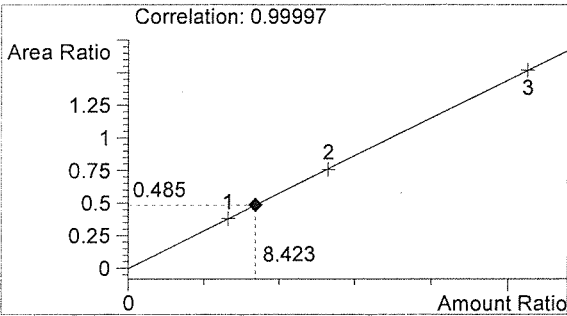
Location: Vial 29

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

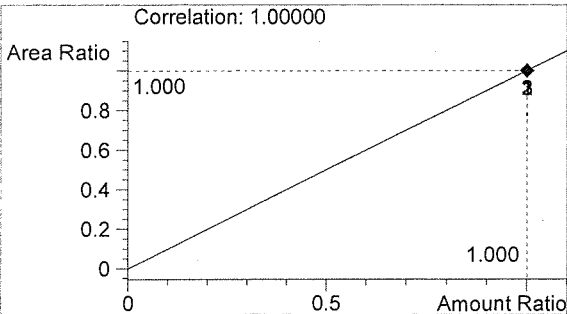
Sample Info: 16015



#	Compound	Peak Area	RT (min)
1	Ethanol	1239	1.091
2	n-Propanol	2555	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

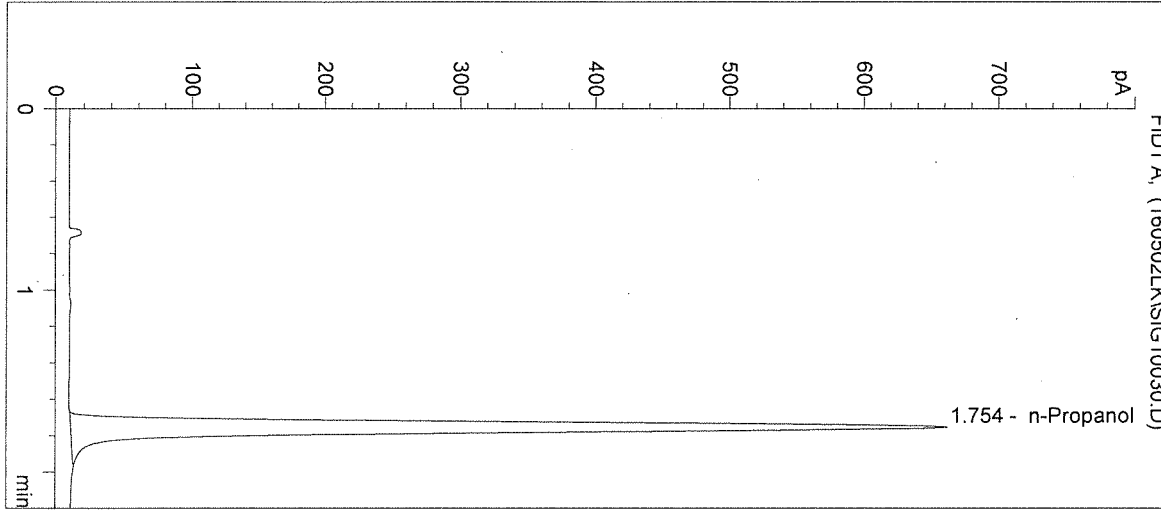
*Handwritten signature*

*Handwritten mark*

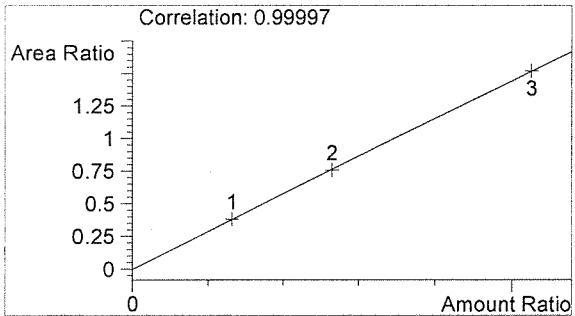
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/2/2016 2:51:36 PM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16015

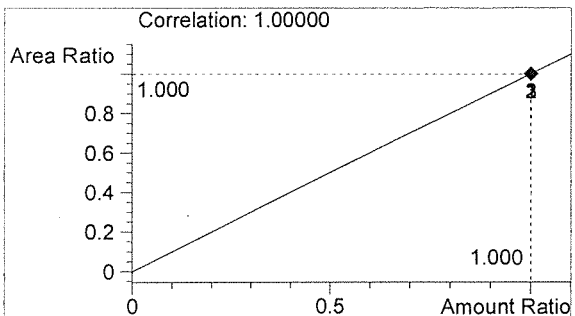
Sample Name: Negative CTRL  
Operator: Lyndsey Knoy  
Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2568	1.754



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

*Handwritten signature*

*Handwritten mark*